



JOINT DECLARATION FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names;

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **Aligned Composite Structures For Mitigation Of Impact Damage And Resistance To Wear In Dynamic Environments**, the specification of which

- is attached hereto.
- was filed on **December 4, 2001** as Application Serial Number **10/005,084** and was amended on _____ (if applicable).
- was filed under the Patent Cooperation Treaty (PCT) and accorded International Application No. _____, filed _____, and amended on _____ (if any).

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We hereby acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

Prior Foreign Application(s)

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application No.	Date of Filing (day month year)	Date of Issue (day month year)	Priority Claimed Under 35 U.S.C. § 119

Prior United States Provisional Application(s)

We hereby claim priority benefits under Title 35, United States Code, § 119(e)(1) of any U.S. provisional application listed below:

U.S. Provisional Application No.	Date of Filing (day month year)	Priority Claimed Under 35 U.S.C. § 119(e)(1)
60/251172	December 4, 2000	Yes

Prior United States Application(s)

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing (Day, Month, Year)	Status X Patented, Pending, Abandoned

Power of Attorney

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following at attorneys and agents, their registration numbers being listed after their names:

ALTHERR, Robert F.	31,810	GLEMBOCKI, Christopher R.	38,800	NELSON, Jon O.	24,566
BANNER, Donald W.	17,037	HANLON, Brian E.	40,449	NIEGOWSKI, James A.	28,331
BANNER, Mark T.	29,888	HEMMENDINGER, Lisa M.	42,653	PATEL, Binal J.	42,065
BANNER, Pamela I.	33,644	HONG, Patricia E.	34,373	PATHAK, Ajay S.	38,266
BECKER, Matthew P.	45,824	HOSCHEIT, Dale H.	19,090	PETERSON, Thomas L.	30,969
BECKETT, William W.	18,262	HYMEL, Lin J.	45,414	POTENZA, Joseph M.	28,175
BERGHAMMER, Joseph J.	46,057	IWANICKI, John P.	34,628	PRATT, Thomas K.	37,210
BODNER, Jordan	42,338	JACKSON, Thomas H.	29,808	RENK, Christopher J.	33,761
BOSS, Aimee	47,437	KAGAN, Sarah A.	32,141	RESIS, Robert H.	32,168
BUROW, Scott A.	42,373	KATZ, Robert S.	36,402	RIVARD, Paul M.	43,446
CALLAHAN, James V.	20,095	KLEIN, William J.	43,719	ROBINSON, Douglas W.	32,751
CHANG, Steve S.	42,402	LINEK, Ernest V.	29,822	ROKOS, Rebecca P.	42,109
CLISE, Brian S.	47,497	MALONE, Dale A.	32,155	SCHAD, Steven P.	32,550
COHAN, Gregory J.	40,959	MANNAVA, Ashok K.	45,301	SHIFLEY, Charles W.	28,042
COOPERMAN, Marc S.	34,143	MAPLE, Marie-Claire B.	37,588	SHULL, Jason	47,085
CURTIN, Joseph P.	34,571	McDERMOTT, Peter D.	29,411	SKERPON, Joseph M.	29,864
DAVID, Michael	44,642	McKEE, Christopher L.	32,384	VAN ES, J. Pieter	37,746
DeMOOR, Laura J.	39,654	McKIE, Edward F.	17,335	WITCOFF, Sheldon W.	17,399
EVANS, Thomas L.	35,805	MEDLOCK, Nina L.	29,673	WOLFFE, Franklin D.	19,724
FEDOROCHKO, Gary D.	35,509	MEECE, Timothy C.	38,553	WOLFFE, Susan A.	33,568
FERGUSON, Catherine A.	40,877	MEEKER, Frederic M.	35,282	WRIGHT, Bradley C.	38,061
FICKLER, Debra A.	46,699	MILLER, Charles L.	43,805		
FISHER, William J.	32,133	MITRIUS, Janice V.	43,808		
GARRETT, John R.	27,888	MOTTLEY, Darrell G.	42,912		

All correspondence and telephone communications should be addressed to:

Rebecca P. Rokos, Esq.
Banner & Witcoff, Ltd.
Ten South Wacker Drive
Chicago, Illinois 60606
Phone: (312) 715-1000
Customer Number: 22908 (CHG)

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature Anthony C. Mulligan Date Dec 14, 2001
Full Name of Third Inventor Mulligan Anthony C.
Family Name First Given Name Second Given Name

Residence Pima County, Tucson, AZ Citizenship United States of America
Post Office Address 7944 Sombrero Peak Road, Tucson, Arizona 85743

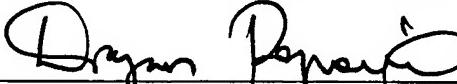
Signature Mark J. Rigali Date Jan 23, 2002
Full Name of First Inventor Rigali Mark J.
Family Name First Given Name Second Given Name

Residence Pima County, Tucson, AZ Citizenship United States of America
Post Office Address 517 South Rosemont, Tucson, Arizona 85711

Signature M. R. Sutaria Date 1/25/2002
Full Name of Second Inventor Sutaria, Manish P.
Family Name First Given Name Second Given Name
Residence Philadelphia County, Philadelphia, PA Citizenship United States of America
Post Office Address 2200 Ben Franklin Parkway, #W809, Philadelphia, Pennsylvania 19130

Signature _____ Date _____
Full Name of Fifth Inventor Popovich, Dragan
Family Name First Given Name Second Given Name
Residence Maricopa County, Phoenix, Arizona Citizenship Serbia
Post Office Address 13601 South 44th Street, Phoenix, Arizona 85044

Signature _____ Date _____
Full Name of Second Inventor Sutaria, Manish P.
Family Name First Given Name Second Given Name
Residence Philadelphia County, Philadelphia, PA Citizenship United States of America
Post Office Address 2200 Ben Franklin Parkway, #W809, Philadelphia, Pennsylvania 19130

Signature  Date Feb 18, 2002
Full Name of Fifth Inventor Popovich, Dragan
Glendale Family Name First Given Name Second Given Name
Residence Maricopa County, Phoenix, Arizona Citizenship Serbia
Post Office Address 13601 South 44th Street, Phoenix, Arizona 85044

5959 WEST GREENWAY RD. # 280, GLENDALE, AZ 85306